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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/687,201	10/16/2003	Shih-Lung Hsu	250210-1020	8222
24504	7590	03/08/2005	EXAMINER	
THOMAS, KAYDEN, HORSTEMEYER & RISLEY, LLP 100 GALLERIA PARKWAY, NW STE 1750 ATLANTA, GA 30339-5948			CRANSON JR, JAMES W	
			ART UNIT	PAPER NUMBER
			2875	

DATE MAILED: 03/08/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/687,201

Applicant(s)

HSU, SHIH-LUNG

Examiner

James W. Cranson

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 16 October 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-11 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-5, 7-9 and 11 is/are rejected.
- 7) ☒ Claim(s) 6 and 10 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

DETAILED ACTION

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1, 3, 5, and 11 are rejected under 35 U.S.C. 102(b) as being anticipated by USPN 5,075,824 to Tan.

A lighting apparatus for an electronic device is disclosed by Tan having a hollow module with reflective surface, lens, light source, and display surface.

Regarding claim 1,

A lighting apparatus (figures 1,2, 10) for an electronic device (22) comprising
a hollow module (figure 2,16) having an inner reflective surface (figures 1, 2, 14);
a light source (figure 2, 42,44) disposed in the hollow module ;
a lens (figures 1, 2,12) having an incident surface (figure 3,column 3, lines 27-33, back surface of 12) and a display (front surface of 12) surface, the incident surface faced inside (figure 3,column 3, lines 27-33, back surface of 12) hollow module, lens (12) located on the electronic device (22);
wherein light rays emitted from light source (42,42) are reflected (column 3, lines 27-33) by the inner surface (14) and transmitted into the incident surface (column 3, lines 27-33) then exit lens(12,column 2,lines 20-25" rectangular viewing surface 12") through display.

Regarding claim 3, according to claim 1, wherein incident surface (back side of **12** is semi-transparent (column 2, lines 18-24, "light wedge **10** constructed of light conducting material is formed with rectangular viewing surface **12**).

Regarding claim 5, according to claim 1, wherein hollow module includes concave for light source (column 2, lines 55-57,"A pair of light receiving areas, ---openings **32, 34**).

Regarding claim 11, according to claim 1, wherein lens is rectangular (**12**,column 2,lines 20-25" rectangular viewing surface **12**").

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 2 and 9 rejected under 35 U.S.C. 103(a) as being unpatentable over USPN 5,075,824 to Tan in view of USPN 6,508,562 B2 to Venkatram et al. Tan does not disclose that his light sources are LEDs or that lighting apparatus is an indicator. Venkatram has an indicator in an electronic device with reflector for backing teaches the use of LEDs. It would have been obvious to one of ordinary skill in the art at the time of the invention to provide Tan with a LED as taught by Venkatram because "LEDs expend considerably less power than light

bulbs”(column 1, lines 34-35) and to have Tan illuminate an indicator. The reason is that it is well known in the illumination art to use LCD devices as illumination in indicators.

Claim 4 is rejected under 35 U.S.C. 103(a) as being unpatentable over USPN 5,075,824 to Tan in view of USPN 2,909,724 to Onksen et al. or US 2003/0095398 A1 to Parker et al. Tan does not disclose that his cross-section of the lens is L-shaped. Both USPN 2,909,724 to Onksen et al. or US 2003/0095398 A1 to Parker et al. have I-shaped embodiments (2,909,724 figure 3, 2003/0095398 A1 figure 16) in lighting apparatus for electronic devices. It would have been obvious to one of ordinary skill in the art at the time of the invention to provide Tan with an L-shaped lens as taught by USPN 2,909,724 to Onksen et al. or US 2003/0095398 A1 to Parker et al. because it has been held that lacking any criticality, changing the form or shape of prior art does not make the claimed invention patentable over that prior art. Further applicant have presented no argument that convinces that the particular configuration claimed is significant or is anything more than one of ordinary skill in the art would find obvious. (*In re Dailey*, 149 USPQ 47 CCPA 1976)

Claims 7 and 8 rejected under 35 U.S.C. 103(a) as being unpatentable over USPN 5,075,824 to Tan in view of USPN 4,445,164 to Giles, III, et al. Tan does not disclose that the lens, the hollow module and the electronic device are connected by screws. Giles in a modular lighting apparatus for an electronic device that uses an LED teaches the use of screws for connecting components. It would have been obvious to one of ordinary skill in the art to have components connected by screws as taught by Giles because it has been held that lacking any criticality, to

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make the prior art separable does not make the claimed invention patentable over that prior art.

In other words, constructing a formly integral structure in various elements involves only routine skill in the art. (*Nerwin v. Erlichmen*, 168 USPQ 177, 179)

Allowable Subject Matter

Claims 6 and 10 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

The following is a statement of reasons for the indication of allowable subject matter:

Independent claim 6, according to claim 1 adds the limitation that the hollow module includes an opening where the lens is disposed. This limitation combined with the limitations of claim 1 is not found or taught in the art of record.

Independent claim 10, according to claim 1 adds the limitation that electronic device is a LCD – TV. This limitation combined with the limitations of claim 1 is not found or taught in the art of record.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to James W. Cranson whose telephone number is 571-272-2368.

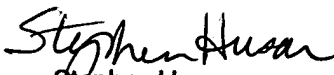
The examiner can normally be reached on Mon-Fri 8:30A.M.- 5:00P.M..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Sandy O'Shea can be reached on 571-272-2378. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).




Stephen Husar
Primary Examiner